



Creamid® A3H7G10.2S*9217

Teknor Apex Company - Polyamide 66 + PA 6I/6T

General Information

General

Material Status	• Preliminary Data		
Availability	• Asia Pacific	• Europe	• North America
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density	1.58	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.40	--	%	
Flow	0.10	--	%	
Water Absorption (24 hr, 73°F)	0.40	--	%	ISO 62
Water Absorption				ISO 62
Saturation, 73°F	3.0	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2.54E+6	2.47E+6	psi	ISO 527-1
Tensile Stress (Break)	35500	34800	psi	ISO 527-2
Tensile Strain (Break)	3.0	3.0	%	ISO 527-2
Flexural Modulus (73°F)	1.96E+6	1.81E+6	psi	ISO 178
Flexural Stress	49300	47900	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-22°F	7.1	7.1	ft·lb/in ²	
73°F	7.1	7.6	ft·lb/in ²	
Charpy Unnotched Impact Strength				ISO 179
-22°F	33	29	ft·lb/in ²	
73°F	36	36	ft·lb/in ²	
Notched Izod Impact Strength				ISO 180
73°F	6.7	7.1	ft·lb/in ²	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ISO 75-2/B
66 psi, Unannealed	491	--	°F	
Deflection Temperature Under Load				ISO 75-2/A
264 psi, Unannealed	455	--	°F	
Vicat Softening Temperature				
--	464	--	°F	ISO 306/B
--	482	--	°F	ISO 306/A
Melting Temperature	509	--	°F	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Electric Strength (0.0787 in)	840	--	V/mil	IEC 60243-1
Comparative Tracking Index	--	600	V	IEC 60112

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Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.031 in	HB	--		
0.06 in	HB	--		
0.13 in	HB	--		

Processing Information

Injection	Dry	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.020 to 0.12	%
Rear Temperature	518	°F
Middle Temperature	518	°F
Nozzle Temperature	554	°F
Processing (Melt) Temp	536 to 572	°F
Mold Temperature	176 to 230	°F

Notes

¹ Typical properties: these are not to be construed as specifications.